EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		S72 and float$	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 17:38
		S58 and (loop$3 or iterat$_	US-PGPUB	OR	ON	2007/07/24 16:03
L1	64	2003/0051020 2003/0093565 2003/0004938 2002/0174130 2002/0143747 2002/0032681 "6,564,211" "6,553,370" "6,519,593" "6,397,216" "6,381,605"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2007/07/25 18:15
L2	2168	sort$3 with binary	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:16
L3	426	2 and (node with tree)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:16
L4	28	3 and (memory with area) and sequence	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:17
L5	24	4 and @ad<"20031028"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:18
L6	20	5 and (count$1 or counter)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:18
L7	11	6 and (pointer with sequence)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:30
L8	8	7 and iterat$4	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:20

L9	0	8 and recurs$6	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:20
L10	9	7 and (iterat$4 or recurs$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:22
L11	10	7 and (sort$3 with (ascend$3 or descend$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:22
L12	9	10 and (sort$3 with (ascend$3 or descend$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:24
L13	0	12 and (point with unique with sequence)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:24
L14	1	12 and (unique with sequence)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:29
L15	9	12 and pointer	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:30
L16	1	14 and pointer	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:30
L17	1	16 and (pointer with sequence)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:30
L18	0	16 and (pointer with unique with sequence)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/25 18:30

L19	70	(linear with sort$3) same (bit or binar$3)	US-PGPUB	OR	ON	2007/07/25 18:45
L20	1	(US-20020174130-$).did.	US-PGPUB	OR	OFF	2007/07/25 18:45
L21	1	L20 and sort$3	US-PGPUB	OR	OFF	2007/07/25 18:45
L22	1	(US-20020174130-$).did.	US-PGPUB	OR	OFF	2007/07/25 18:46
L23	1	L22 and sort$3	US-PGPUB	OR	OFF	2007/07/25 18:46
L24	1	L20 and (binary or bit)	US-PGPUB	OR	ON	2007/07/25 18:46
S2	2	("2005009257").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/08/23 09:06
S3	1	("20050091257").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/08/23 09:16
S4	51	2003/0051020 2003/0093565 2003/0004938 2002/0174130 2002/0143747 2002/0032681 "6,564,211" "6,553,370" "6,519,593" "6,397,216" "6,381,605"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/08/23 09:16
S5	12	("20030051020", "20030093565", "20030004938", "20020174130", "20020143747", 2002/0032681, "6564211", "6553370", "6519593", "6397216", "6381605", "6144986", "6128614").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/23 09:18
S6	13	("20030051020", "20030093565", "20030004938", "20020174130", "20020143747", "20020032681", "6564211", "6553370", "6519593", "6397216", "6381605", "6144986", "6128614").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/23 10:22
S7	13	S6 and sort$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/23 09:21
S8	2	S6 and (sort$3 with linear)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/23 09:21
S9	1	(US-20020032681-$).did.	US-PGPUB	OR	OFF	2006/08/23 10:02
S10	0	S9 and ((leav$3 or leaf) with node)	US-PGPUB	OR	ON	2006/08/23 10:03
S11	0	S9 and (leav$3 or leaf)	US-PGPUB	OR	ON	2006/08/23 10:03

S12	1	S8 and (leav$3 or leaf)	US-PGPUB	OR	ON	2006/08/23 10:03
S13	1	(US-20020174130-$).did.	US-PGPUB	OR	OFF	2006/08/23 10:13
S14	1	S13 and (increment$3 or count$3)	US-PGPUB	OR	ON	2006/08/23 10:24
S15	1	S6 and (unique with sequence)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/23 10:23
S16	1	S15 and (increment$3 or count$3)	US-PGPUB	OR	ON	2006/08/23 10:24
S17	1	(US-20030004938-$).did.	US-PGPUB	OR	OFF	2006/08/23 11:46
S18	0	S17 and (sort$3 with bit$)	US-PGPUB	OR	ON	2006/08/23 11:47
S19	1	S17 and sort$3	US-PGPUB	OR	ON	2006/08/23 11:50
S20	1	S17 and time	US-PGPUB	OR	ON	2006/08/23 11:50
S21	0	S17 and (execut$3 with time)	US-PGPUB	OR	ON	2006/08/23 11:51
S22	1	(US-20020174130-$).did.	US-PGPUB	OR	OFF	2006/08/23 11:56
S23	1	S22 and sort$3	US-PGPUB	OR	OFF	2006/08/23 12:01
S24	0	S22 and (sort$3 with sequence)	US-PGPUB	OR	ON	2006/08/23 11:58
S25	0	S22 and (sort$3 with binar$)	US-PGPUB	OR	ON	2006/08/23 11:58
S26	0	S22 and (sort$3 with bit$)	US-PGPUB	OR	ON	2006/08/23 11:58
S27	0	S22 and (sort$3 with (ascend$ or descend$))	US-PGPUB	OR	ON	2006/08/23 11:58
S28	0	S22 and (ascend$3 or descend$)	US-PGPUB	OR	OFF	2006/08/23 12:01
S29	1	(US-20020174130-$).did.	US-PGPUB	OR	OFF	2006/08/24 15:17
S30	1	S29 and sort$3	US-PGPUB	OR	OFF	2006/08/24 15:17
S31	1	S29 and sort$3	US-PGPUB	OR	ON	2006/08/24 15:35
S32	1	S29 and (binary or bit)	US-PGPUB	OR	ON	2006/08/24 15:35
S33	13	("20030051020", "20030093565", "20030004938", "20020174130", "20020143747", "20020032681", "6564211", "6553370", "6519593", "6397216", "6381605", "6144986", "6128614").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/24 16:03
S34	323347	sort$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/24 16:03
S35	323347	S34 and sort$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/24 16:03

EAST Search History

S36	13	S33 and sort$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/24 16:03
S37	4	S33 and (sort$3 near5 (binar$3 or bit$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/24 16:05
S38	2	S37 and sequence$1	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/24 16:20
S39	1	("20050091257").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/08/24 16:55
S40	1	S39 and field and width	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/08/24 16:56
S41	1	S39 and (field with width)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/24 16:56
S42	1	("2002/0032681").URPN.	USPAT	OR	OFF	2006/08/24 17:15
S43	0	S42 and linear	USPAT	OR	ON	2006/08/24 17:15
S44	13	("20030051020", "20030093565", "20030004938", "20020174130", "20020143747", "20020032681", "6564211", "6553370", "6519593", "6397216", "6381605", "6144986", "6128614").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/25 15:36
S45	4	S44 and (sort$3 near5 (binar$3 or bit$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/25 15:36
S46	1	(US-20020174130-$).did.	US-PGPUB	OR	OFF	2006/08/25 15:41
S47	1	(US-20030004938-$).did.	US-PGPUB	OR	OFF	2006/08/25 17:04
S48	1	S47 and time	US-PGPUB	OR	ON	2006/08/25 15:51
S49	1	S47 and (sequence with (binar$3 or bit))	US-PGPUB	OR	ON	2006/08/25 16:03

EAST Search History

S50	0	S47 and ((sequence with (binar$3 or bit)) same stor$3)	US-PGPUB	OR	ON	2006/08/25 16:04
S51	1	S47 and stor$3	US-PGPUB	OR	ON	2006/08/25 16:04
S52	1	(US-20020174130-$).did.	US-PGPUB	OR	OFF	2006/08/25 16:44
S53	0	S52 and (ascend$3 or descend$3)	US-PGPUB	OR	ON	2006/08/25 16:44
S54	1	S52 and sort$3	US-PGPUB	OR	ON	2006/08/25 16:45
S55	1	S47 and (set$3 with index$3)	US-PGPUB	OR	ON	2006/08/25 18:11
S56	0	S47 and (node with pointer$1)	US-PGPUB	OR	ON	2006/08/25 18:11
S57	1	S47 and node	US-PGPUB	OR	ON	2006/08/25 18:11
S58	1	(US-20020174130-$).did.	US-PGPUB	OR	OFF	2006/08/25 18:49
S59	1	S58 and (loop$3 or iterat$)	US-PGPUB	OR	ON	2006/08/25 18:49
S60	1	S58 and (loop$3 or iterat$ or recursi$)	US-PGPUB	OR	ON	2006/08/25 20:04
S61	0	S58 and decreas$3	US-PGPUB	OR	ON	2006/08/25 20:04
S62	1	S58 and function	US-PGPUB	OR	ON	2006/08/25 20:04
S63	1	(US-20030004938-$).did.	US-PGPUB	OR	OFF	2006/08/26 16:27
S64	1	S63 and length	US-PGPUB	OR	ON	2006/08/26 16:33
S65	0	S63 and ((fix$ or variable) with length)	US-PGPUB	OR	ON	2006/08/26 16:28
S66	1	S63 and (string or character)	US-PGPUB	OR	ON	2006/08/26 17:00
S67	0	S63 and mantissa	US-PGPUB	OR	ON	2006/08/26 17:05
S68	0	S63 and sign	US-PGPUB	OR	ON	2006/08/26 17:05
S69	0	S63 and (negative or positive)	US-PGPUB	OR	ON	2006/08/26 17:05
S70	2	"2005009257"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/08/26 20:28
S71	1	("20050091257").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/08/26 20:16
S72	1	(US-20020174130-$).did.	US-PGPUB	OR	OFF	2006/08/26 17:14
S73	0	S72 and mantissa	US-PGPUB	OR	ON	2006/08/26 17:14
S74	3	(US-20020032681-$ or US-20030004938-$ or US-20020174130-$).did.	US-PGPUB	OR	OFF	2006/08/26 17:15
S75	0	S65 and mantissa	US-PGPUB	OR	OFF	2006/08/26 17:15
S76	4	("less" with quick$1sort)	US-PGPUB	OR	ON	2006/08/26 17:17
S77	2	(linear with sort$3) same (bit with sequence)	US-PGPUB	OR	ON	2006/08/26 17:18

S78	2	(linear with sort$3) same ((bit or binar$3) with sequence)	US-PGPUB	OR	ON	2006/08/26 17:19
S79	58	(linear with sort$3) same (bit or binar$3)	US-PGPUB	OR	ON	2006/08/26 17:19
S80	3	S79 and quick$1sort$3	US-PGPUB	OR	ON	2006/08/26 17:21
S81	92	quick$1sort$3	US-PGPUB	OR	ON	2006/08/26 17:21
S82	39	quick$1sort$3 and bit	US-PGPUB	OR	ON	2006/08/26 17:23
S83	2	S82 and mantissa	US-PGPUB	OR	ON	2006/08/26 17:24
S84	13	S82 and ((word or string or character) with (bit or byte))	US-PGPUB	OR	ON	2006/08/26 17:24
S85	51	quick$1sort$3 and (bit or byte)	US-PGPUB	OR	ON	2006/08/26 17:23
S86	2	S85 and mantissa	US-PGPUB	OR	ON	2006/08/26 17:24
S87	15	S85 and ((word or string or character) with (bit or byte))	US-PGPUB	OR	ON	2006/08/26 17:24
S88	0	S72 and exponent$	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 17:38
S89	0	S72 and decimal	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 17:38
S90	0	S72 and float	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 17:38
S91	1	(US-20030004938-$).did.	US-PGPUB	OR	OFF	2006/08/26 17:54
S92	1	(US-20020174130-$).did.	US-PGPUB	OR	OFF	2006/08/26 17:55
S93	2	S91 S92	US-PGPUB	OR	ON	2006/08/26 18:48
S94	0	S93 and quicksort	US-PGPUB	OR	ON	2006/08/26 17:56
S95	0	S93 and quick$1sort	US-PGPUB	OR	ON	2006/08/26 17:57
S96	0	S93 and quick$	US-PGPUB	OR	ON	2006/08/26 17:57
S97	4	(US-20020032681-$ or US-20030004938-$ or US-20020174130-$ or US-20020165707-$).did.	US-PGPUB	OR	OFF	2006/08/26 17:57
S98	1	S97 and quick$1sort	US-PGPUB	OR	ON	2006/08/26 18:26
S99	0	S97 and (execution with time)	US-PGPUB	OR	ON	2006/08/26 18:19
S100	0	S97 and (quicksort with time)	US-PGPUB	OR	ON	2006/08/26 18:20

EAST Search History

S10 1	4	S97 and time	US-PGPUB	OR	ON	2006/08/26 18:20
S10 2	1	(US-20020165707-$).did.	US-PGPUB	OR	OFF	2006/08/26 18:20
S10 3	1	S102 and time	US-PGPUB	OR	ON	2006/08/26 18:20
S10 4	1	S102 and quick$1sort	US-PGPUB	OR	ON	2006/08/26 18:26
S10 5	2	S93 and integer	US-PGPUB	OR	ON	2006/08/26 19:17
S10 6	0	S94 and (linked with list)	US-PGPUB	OR	ON	2006/08/26 19:02
S10 7	0	S94 and list	US-PGPUB	OR	ON	2006/08/26 19:02
S10 8	0	S94 and link$	US-PGPUB	OR	ON	2006/08/26 19:02
S10 9	1	S105 and bit$1	US-PGPUB	OR	ON	2006/08/26 19:17
S11 0	1	S105 and (bit$1 with position)	US-PGPUB	OR	ON	2006/08/26 19:18
S11 1	0	S105 and (significant with bit$1 with position)	US-PGPUB	OR	ON	2006/08/26 19:18
S11 2	1	S93 and (bit$1 with position)	US-PGPUB	OR	ON	2006/08/26 19:18
S11 3	1	S71 and "(m and x)"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 20:17
S11 4	1	S71 and "m and x"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 20:17
S11 5	1	S71 and mask$	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 20:22
S11 6	1	S71 and (m with x)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 20:23

S11 7	1	S93 and mask$	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 20:23
S11 8	13448	S70 nad ("does not include" with compar$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 20:29
S11 9	0	S70 and ("does not include" with compar$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 20:29
S12 0	0	S71 and ("does not include" with compar$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 20:29
S12 1	0	S71 and "does not"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 20:29
S12 2	0	S71 and "not"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 20:30
S12 3	1	("20050091257").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/08/26 20:30
S12 4	0	S123 and "does not include"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/08/26 20:30
S12 5	1	S123 and compar$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 20:36
S12 6	2	S93 and compar$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 20:39

S12 7	2	S93 and sort$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/26 20:39
S12 8	1	("20050091257").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2007/02/15 14:13
S12 9	1	S128 and quicksort	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	AND	ON	2007/02/15 14:18
S13 0	8	707/7.ccls. and (("less" or fast$3) with quicksort)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	AND	ON	2007/02/15 14:29
S13 1	1	(US-6571244-$).did.	USPAT	OR	OFF	2007/02/15 14:28
S13 2	0	S131 and bit	USPAT	OR	OFF	2007/02/15 14:28
S13 3	1	S131 and (bit or binary)	USPAT	OR	ON	2007/02/15 14:28
S13 4	28	707/7.ccls. and quicksort$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	AND	ON	2007/02/15 14:31
S13 5	13	707/7.ccls. and ((bit or binary) with sort$3) and quicksort$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	AND	ON	2007/02/15 14:34
S13 6	4	S135 and mask$4	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	AND	ON	2007/02/15 14:37
S13 7	1	("6546388").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2007/02/15 15:28

S13 8	1	("20060248064").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2007/02/15 15:29
S13 9	1	("20050108230").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2007/02/15 15:29
S14 0	1	("20050091257").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2007/07/24 16:04
S14 1	1	S140 and (computer with usable with medium)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/24 16:04

P◎RTAL

USPTO

Nothing Found

Your search for **+sort +binary +bit +"unique sequence" +"memory area" +recursive "child node" "node tree"** did not return any results.

You may want to try an Advanced Search for additional options.

Please review the Quick Tips below or for more information see the Search Tips.

Quick Tips

- Enter your search terms in lower case with a space between the terms.

      sales offices

   You can also enter a full question or concept in plain language.

      Where are the sales offices?

- Capitalize proper nouns to search for specific people, places, or products.

      John Colter, Netscape Navigator

- Enclose a phrase in double quotes to search for that exact phrase.

      "museum of natural history" "museum of modern art"

- Narrow your searches by using a **+** if a search term must appear on a page.

      museum +art

- Exclude pages by using a **-** if a search term must not appear on a page.

      museum -Paris

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

      museum +"natural history" dinosaur -Chicago

Terms used: **sort binary unique sequence point counter recursive memory child node node tree**

Found **5** of **207,474**

Sort results by   relevance

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1 Query evaluation techniques for large databases   ■

Goetz Graefe
June 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 2
Publisher: ACM Press

Full text available: 📄 pdf(9.37 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

Database management systems will continue to manage large data volumes. Thus, efficient algorithms for accessing and manipulating large sets and sequences will be required to provide acceptable performance. The advent of object-oriented and extensible database systems will not solve this problem. On the contrary, modern data models exacerbate the problem: In order to manipulate large sets of complex objects as efficiently as today's database systems manipulate simple records, query-processi ...

Keywords: complex query evaluation plans, dynamic query evaluation plans, extensible database systems, iterators, object-oriented database systems, operator model of parallelization, parallel algorithms, relational database systems, set-matching algorithms, sort-hash duality

2 Formal languages and their relation to automata   ■

John E. Hopcroft, Jeffrey D. Ullman
January 1969 Book
Publisher: Addison-Wesley Longman Publishing Co., Inc.

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From the Preface (See Front Matter for full Preface)

The study of formal languages constitutes an important subarea of computer science. This area sprang to life around 1956 when Noam Chomsky gave a mathematical model of a grammar in connection with his study of natural languages. Shortly afterwards, the concept of a grammar was found to be of great importance to the programmer when the syntax of the programming language ALGOL was defined by a context-free grammar. This developm ...

3 The theory of parsing, translation, and compiling

Alfred V. Aho, Jeffrey D. Ullman
January 1972 Book
Publisher: Prentice-Hall, Inc.

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From volume 1 Preface (See Front Matter for full Preface)

This book is intended for a one or two semester course in compiling theory at the senior or graduate level. It is a theoretically oriented treatment of a practical subject. Our motivation for making it so is threefold.

(1) In an area as rapidly changing as Computer Science, sound pedagogy demands that courses emphasize ideas, rather than implementation details. It is our hope that the algorithms and concepts presen ...

4 On pointers versus addresses

Amir M. Ben-Amram, Zvi Galil
July 1992 **Journal of the ACM (JACM)**, Volume 39 Issue 3
Publisher: ACM Press

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Keywords: incompressibility, pointer structures, random access memory

5 Probabilistic inductive inference

L. Pitt
April 1989 **Journal of the ACM (JACM)**, Volume 36 Issue 2
Publisher: ACM Press

Full text available: pdf(4.04 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Inductive inference machines construct programs for total recursive functions given only example values of the functions. Probabilistic inductive inference machines are defined, and for various criteria of successful inference, it is asked whether a probabilistic inductive inference machine can infer larger classes of functions if the inference criterion is relaxed to allow inference with probability at least p, $(0 < p < 1)$ as opposed ...

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2   Query evaluation techniques for large databases   ▰
Goetz Graefe
June 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 2

Publisher: ACM Press

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Database management systems will continue to manage large data volumes. Thus, efficient algorithms for accessing and manipulating large sets and sequences will be required to provide acceptable performance. The advent of object-oriented and extensible database systems will not solve this problem. On the contrary, modern data models exacerbate the problem: In order to manipulate large sets of complex objects as efficiently as today's database systems manipulate simple records, query-processi ...

Keywords: complex query evaluation plans, dynamic query evaluation plans, extensible database systems, iterators, object-oriented database systems, operator model of parallelization, parallel algorithms, relational database systems, set-matching algorithms, sort-hash duality

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